

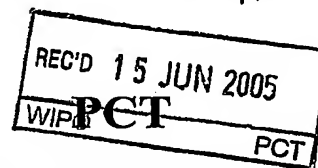
PATENT COOPERATION TREATY

WIPO

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
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P.O. Box 809
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OTTAWA, Ontario
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81/7



WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) 07 June 2005 (07.06.2005)																			
Applicant's or agent's file reference 683-134PCT		FOR FURTHER ACTION See paragraph 2 below																	
International application No. PCT/CA2005/000040	International filing date (day/month/year) 12 January 2005 (12-01-2005)	Priority date (day/month/year) 12 January 2004 (12-01-2004)																	
International Patent Classification (IPC) or both national classification and IPC IPC(7): A61K 48/00, A61K 31/7088, A61K 31/7125, A61K 38/19, A61P 35/00																			
Applicant GENESENSE TECHNOLOGIES INC. ET AL																			
<p>1. This opinion contains indications relating to the following items :</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"><input checked="" type="checkbox"/> Box No. I</td> <td>Basis of the opinion</td> </tr> <tr> <td><input type="checkbox"/> Box No. II</td> <td>Priority</td> </tr> <tr> <td><input checked="" type="checkbox"/> Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/> Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/> Box No. V</td> <td>Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/> Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input checked="" type="checkbox"/> Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input checked="" type="checkbox"/> Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.</p> <p>If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.</p> <p>For further options, see Form PCT/ISA/220.</p> <p>3. For further details, see notes to Form PCT/ISA/220.</p>				<input checked="" type="checkbox"/> Box No. I	Basis of the opinion	<input type="checkbox"/> Box No. II	Priority	<input checked="" type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/> Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/> Box No. VI	Certain documents cited	<input checked="" type="checkbox"/> Box No. VII	Certain defects in the international application	<input checked="" type="checkbox"/> Box No. VIII	Certain observations on the international application
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Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476		<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Date of completion of this opinion 11 May 2005 (11.05.2005) </td> <td style="width: 50%; vertical-align: top;"> Authorized officer Debora Fujimoto (819) 997-1855 </td> </tr> </table>		Date of completion of this opinion 11 May 2005 (11.05.2005)	Authorized officer Debora Fujimoto (819) 997-1855														
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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/CA2005/000040

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of :
 - a. type of material
 - ☒ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☒ on paper
 - ☒ in electronic form
 - c. time of filing/furnishing
 - ☒ contained in the international application as filed.
 - ☒ filed together with the international application in electronic form
 - ☐ furnished subsequently to this Authority for the purposes of search.
- 3 ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statement that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments :

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
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Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

- ☐ the entire international application
- ☐ claim Nos.

because:

- ☒ the said international application, or the said claim Nos. 18 to 34 relate to the following subject matter which does not require an international search (*specify*):

Although claims 18 to 34 encompass a method of treatment of the human/animal body which this Authority is not required to examine under Rule 67.1(iv) of the PCT, the written opinion has been established on the basis of the alleged effects of the compounds referred to therein.

- ☐ the description, claims or drawings (*indicate particular elements below*) or said claim Nos. are so unclear that no meaningful opinion could be formed (*specify*):

- ☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed (*specify*):

- ☐ no international search report has been established for said claims Nos.

- ☐ a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:

- ☐ furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

- ☐ furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

- ☐ pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).

- ☐ a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.

- ☐ the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.

- ☐ See Supplemental Box for further details.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CA2005/000040

Box No. V Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1-55</u>	YES
	Claims	NO
Inventive step (IS)	Claims	YES
	Claims <u>1-55</u>	NO
Industrial applicability (IA)	Claims <u>1-55 (partially)</u>	YES
	Claims <u>1-55 (partially)</u>	NO

2. Citations and explanations :

- D1 LEE Y et al. GTI-2040, an antisense agent targeting the small subunit component (R2) of human ribonucleotide reductase shows potent antitumor activity against a variety of tumors. *CANCER RES* 01.06.2003 Vol 63, pages 2802-2811
- D2 WO 0047733 A1 (GENESENSE TECHNOLOGIES INC.) 17.08.2000
- D3 WO 9800532 A3 (WRIGHT JA & YOUNG AH) 08.01.1998
- D4 AGRAWAL S & KANDIMALLA ER. Antisense and/or immunostimulatory oligonucleotide therapeutics. *CURR CANCER DRUG TARGETS* 2001 Vol 1, pages 197-209
- D5 VOSE JM et al. Update on epidemiology and therapeutics for non-Hodgkin's lymphoma. *HEMATOLOGY (AM SOC HEMATOL EDUC PROGRAM BOOK, The American Society of Hematology)* 2002 pages 241-262.
- D6 LEPOIVRE M et al. Alterations of ribonucleotide reductase activity following induction of the nitrite-generating pathway in adenocarcinoma cells. *J BIOL CHEM* 25.08.1990 Vol 265(24), pages 14143-14149
- D7 MADER RM et al. Transcription and activity of 5-fluorouracil converting enzymes in fluoropyrimidine resistance in colon cancer *in vitro*. *BIOCHEM PHARMACOL* 1997 Vol 54, pages 1233-1242

D1-D3 disclose antisense oligonucleotide sequences (ODNs) to human ribonucleotide reductase R2 which are encompassed by the antisense ODNs of the present application. D1 additionally discloses that of 102 antisense ODNs screened for the ability to inhibit R2 mRNA and cancer cell proliferation *in vitro*, 30 candidate ODNs were chosen for analysis *in vivo*. In assays with these 30 candidate ODNs, 18 ODNs were found to result in varying levels of antitumor activity. One antisense ODN, GTI-2040, which has a sequence that is identical to SEQ ID NO:1 of the present application, was selected for further *in vivo* assays and development (page 2804, first column, second paragraph). Thus, several *in vitro* and *in vivo* criteria must be met in order to determine if a particular antisense ODN has potential for treatment of cancer (page 2808, second column, last paragraph).

D2 further discloses at page 52, line 17, that antisense ODNs may be used in conjunction with chemotherapeutic agents or other anti-tumorigenic treatments (page 53, lines 5-7). The phrase "anti-tumorigenic treatment" encompasses an immunotherapeutic agent. D2 specifically discloses that cells treated with an antisense ODN to ribonucleotide reductase R2 had increased sensitivity to one of the three chemotherapeutic drugs, hydroxyurea, *N*-(phosphonacetyl)-L-aspartate (PALA), and methotrexate (MTX) (page 78; Table 7).

D3 further discloses the use of an antisense ODN to inhibit tumor growth (page 5, lines 23-25; page 8, line 35 to page 9, line 13), compositions comprising an antisense ODN having the identical sequence to SEQ ID NO:1 of the present application and a chemotherapeutic agent, and use thereof for the manufacture of a medicament and for the treatment of cancer cells (page 5, lines 6-10).

(Continued in Supplemental Box)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CA2005/000040

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted :

The description does not comply with Rule 91 of the PCT. The following typographical errors have been noted:

- (a) Table 11, under the heading of "Cell Line: Mouse SC2", in the term "AS-II-326-20" ; and
- (b) Table 13, under the heading of the % inhibition of colony forming ability: (1) for AS-II-225-20, under column MDA-MB0231, in the value "4537"; (2) for AS-II-253-14, under column HeLa S3, in the value "9699"; and (3) for AS-II-2083-20*, under column HeLa S3 cells, in the value "696".

Box No. VIII **Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made :

Description Defects:

On page 12, line 29 to page 13, line 1, the US patent documents, US 5,998,383 and US 6,121,000, are incorporated by reference, and thus, do not comply with Article 5 of the PCT. The description shall be complete in and of itself. A person skilled in the art should be able to understand the patent specification without reference to any other document.

Drawing Defects:

The drawings do not comply with Rule 11.11 of the PCT. The drawings shall not contain text matter, except for a single word or words, when absolutely indispensable. The figure legends should be removed and the information incorporated into the description. Further, the titles in Figs. 9-26 should be removed.

Additionally, the drawings do not comply with Rule 11.13 (c) and (h) of the PCT. The height of the numbers and letters shall not be less than 0.32 cm, and the scale of the drawings shall be such that reproduction to a size of two-thirds would enable all details to be distinguished without difficulty. Figure 17 at full scale size, for example, contains lettering that is illegible.

Claim Defects:

Claims 1-55 do not comply with Article 6 of the PCT. Claims directed to the combination product comprising any antisense oligonucleotide (ODN) of between 7 and 100 nucleotides complementary to a mammalian ribonucleotide reductase R2 subunit mRNA, any immunotherapeutic agent, and optionally, any chemotherapeutic agents (claims 1-17), the use thereof for the manufacture of a medicament (claims 35-51), the method for the treatment of any cancer (claims 18-34), and the pharmaceutical kit comprising an antisense ODN and an immunotherapeutic agent (claims 52-55), are not fully supported in the description. The present application discloses only combination products comprising antisense ODN sequences consisting of 20 nucleotides and the specific use of the antisense ODN consisting of 20 nucleotides, depicted in SEQ ID NO:1; no antisense ODN shorter than 20 nucleotides or between 21-100 nucleotides in length is disclosed. D1 and D3 disclose a specific antisense ODN that is identical to that depicted by SEQ ID NO:1 of the present application, for use to treat cancer.

Claims 1, 18, 35, and 52 do not comply with Article 6 of the PCT. The phrases "an antisense oligonucleotide of between 7 and 100 nucleotides in length comprising at least 7 consecutive nucleotides complementary to a mammalian ribonucleotide reductase R2 mRNA" and "one or more immunotherapeutic agents" define the contemplated nucleotide sequence of the antisense ODN and the contemplated immunotherapeutic agent, respectively, in a vague manner, resulting in a lack of clarity.

Claims 7, 9-11, 24, 26-28, 41, 43-45, and 55 do not comply with Article 6 of the PCT. The following terms cause a lack of clarity: "advanced" (claims 7, 24, and 41), "first-line" (claims 9, 26, 43, and 55), "non-specific" (claims 10, 27, and 44), and "specific" (claims 11, 28, and 45).

Claim 20 does not comply with Rule 6.4 (b) of the PCT. Claim 20 refers to the combination product of claim 19, but claim 19 is a method.

Claims 23-34 do not comply with Rule 6.4 (b) of the PCT. Claims 23-34 are partially directed to the method of claim 20, but claim 20 is directed to the combination product.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: **Box V.** (continued)

D4 reviews antisense oligonucleotides targeted to different genes (Table 1) used to treat cancer in clinical trials, including an antisense ODN to ribonucleotide reductase. Cancer combination therapy with an antisense ODN and a chemotherapeutic agent are known (page 198, column 1). Further, the use of an antisense oligonucleotide having CpG dinucleotides that induces a number of cytokines, including IL-12, IL-6, IFN- γ , and TNF- α , as an immunotherapeutic agent for the treatment of cancer is disclosed on pages 202-205. Thus, an antisense ODN may comprise both the antisense and the immunotherapeutic components of the combination product in the present application.

D5 discloses the use of antisense oligonucleotides to Bcl-2, when used in combination with standard anticancer therapy including cytotoxic chemotherapy and immunotherapy, show synergistic enhancement of tumor cell death *in vitro* (page 249). The use of monoclonal antibodies for immunotherapeutic treatment of patients having non-Hodgkin's lymphoma resulted in antilymphoma responses that lasted for several years (page 250, second column to page 251, first column). Therefore, the use of an antisense ODN and an immunotherapeutic agent, or the use of the combination of an antisense ODN, chemotherapeutic agent, and immunotherapeutic agent is disclosed.

D6 discloses that a murine adenocarcinoma cell line was stimulated to generate nitrite when stimulated with γ -interferon (IFN- γ) and tumor necrosis factor (TNF) and/or bacterial lipopolysaccharide (LPS), i.e., immunotherapeutic agents, and that induction of nitrite resulted in inhibition of ribonucleotide reductase enzyme activity.

D7 discloses that use of the combination of an antisense ODN to ribonucleotide reductase R2 (Table 2) and 5-fluorouracil resulted in a synergistic effect and significantly reduced colon cell growth *in vitro*.

Novelty:

The problem to be solved is the provision of a product comprising an antisense oligonucleotide (ODN) to ribonucleotide reductase R2, one or more immunotherapeutic agents, and optionally, one or more chemotherapeutic agents, use thereof for the manufacture of a medicament and for the treatment of cancer, and a pharmaceutical kit comprising said antisense ODN and an immunotherapeutic agent.

D1-D3 disclose the antisense ODN to human ribonucleotide reductase R2 that is encompassed by the antisense ODNs of the present application. D1 and D2 disclose an antisense ODN having a sequence that is identical to SEQ ID NO:1 of the present application. D1 does not disclose the combination product, the use thereof for the manufacture of a medicament and for the treatment of cancer, and the pharmaceutical kit comprising an antisense ODN and an immunotherapeutic agent. D2 does not disclose the combination product, use thereof, method for treatment of cancer, and a pharmaceutical kit comprising the combination product. D3 discloses the combination product comprising an antisense ODN to human ribonucleotide reductase R2, that is encompassed by those of the present application, an immunotherapeutic agent, and the combination product of said antisense ODN and a chemotherapeutic agent. However, D3 does not specifically disclose the antisense ODN having a sequence that is identical to SEQ ID NO:1 of the present application. D4-D7 disclose that the use of antisense ODNs, chemotherapeutic agents and immunotherapeutic agents in various combinations for the treatment of cancer is known. D4-D7 do not specifically disclose the combination an antisense ODN to human ribonucleotide reductase R2 and an immunotherapeutic agent. Thus, in view of any one of D1-D7, the subject matter of claims 1-55 is novel and complies with Article 33(2) of the PCT.

Inventive Step:

D4 or D5 disclose the combinations of (1) an antisense ODN to a specific gene and an immunotherapeutic agent and (2) an antisense ODN to a specific gene and a chemotherapeutic agent for use in treating cancer. D6 specifically discloses that immunotherapeutic agents inhibit ribonucleotide reductase enzyme activity and are used to inhibit cancer cell proliferation. D7 discloses that the combination of antisense ODN to ribonucleotide reductase and a chemotherapeutic agent reduced cancer cell growth *in vitro*. In view of any one of D1-D3, discussed above, taken together with any one of D4-D7, claims directed to the combination product comprising an antisense ODN to ribonucleotide reductase R2, an immunotherapeutic agent, and a

(Continued in Supplemental Box)

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: **Box V. (continued)**

chemotherapeutic agent (claims 1-17), use thereof for the manufacture of a medicament (claims 35-51) and to treat cancer (claims 18-34), and pharmaceutical kits comprising said antisense ODN and an immunotherapeutic agent (claims 52-55), lack an inventive step. Thus, claims 1-55 do not comply with Article 33(3) of the PCT.

Industrial applicability:

For the assessment of claims 18 to 34 on the question of whether or not they define subject matter that has industrial applicability, no unified criteria exists in the PCT. Further, the patentability of said claims can depend upon their formulation. The methods *per se* defined in claims 18-34 relate to subject matter which this Authority is not obliged to examine under Rule 67.1(iv) of the PCT, but the alleged effects of specific compounds referred to therein for the treatment of cancer appear to represent subject matter that has industrial applicability under Article 33(4) of the PCT.

However, the antisense ODN, immunotherapeutic agent, and chemotherapeutic agent comprising a combination product are defined in such a vague and broad manner as to result in combination products which lack industrial applicability. Merely providing a list of antisense oligonucleotides (Table 1), immunotherapeutic agents (pages 25-30), and chemotherapeutic agents (Table 2) is not sufficient to establish the industrial applicability of the combination product comprising a specific antisense ODN, a specific immunotherapeutic agent and a specific chemotherapeutic agent, use thereof for the manufacture of a medicament and to treat cancer, and a pharmaceutical kit comprising a specific antisense ODN and a specific immunotherapeutic agent. Moreover, D1 discloses that based on the *in vitro* assays of 102 antisense ODNs to ribonucleotide reductase R2, which overlap the antisense ODNs of the present application, only 30 candidate ODNs were selected for *in vivo* analysis. The results of said *in vivo* assays, demonstrated that 18 ODNs displayed varying levels of antitumor activity; one antisense ODN, identical to SEQ ID NO:1 of the present application, was further characterized. In view of D1, it is clear that not all of the antisense ODNs claimed in the present application have industrial applicability. Therefore, not all of the combination products, uses and methods thereof, and pharmaceutical kits in the present application will necessarily have industrial applicability. The present application discloses the combination product of an antisense ODN having the sequence depicted in SEQ ID NO:1 and an immunotherapeutic agent selected from interferon-alpha or interleukin-2, to treat renal cancer, which appears to have industrial applicability.

In view of D1, claims 1-55 partially lack industrial applicability under Article 33(4) of the PCT.



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Date

29.05.06

Reference	Application No./Patent No. 05706393.5 - 2401 PCT/CA2005000040
Applicant/Proprietor GeneSense Technologies Inc.	

Entry into the European phase before the European Patent Office

These notes describe the procedural steps required for entry into the European phase before the European Patent Office (EPO). You are advised to read them carefully: failure to take the necessary action in time can lead to your application being deemed withdrawn.

1. The above-mentioned international patent application has been given European application No. **05706393.5**.
2. Applicants **without** a residence or their principal place of business in an EPC contracting state may themselves initiate European processing of their international applications, provided they do so before expiry of the 31st month from the priority date (see also point 6 below).

During the European phase before the EPO as designated or elected Office, however, such applicants must be represented by a professional representative (Arts. 133(2) and 134(1), (7) EPC).

Procedural acts performed after expiry of the 31st month by a professional representative who acted during the international phase but is not authorised to act before the EPO have no legal effect and therefore lead to loss of rights.

Please note that a professional representative authorised to act before the EPO and who acted for the applicant during the international phase does not automatically become the representative for the European phase. Applicants are therefore strongly advised to appoint in good time any representative they wish to initiate the European phase for them; otherwise, the EPO has to send all communications direct to the applicant.

3. Applicants **with** a residence or their principal place of business in an EPC contracting state are not obliged to appoint, for the European phase before the EPO as designated or elected Office, a professional representative authorised to act before the EPO.
However, in view of the complexity of the procedure it is recommended that they do so.
4. Applicants and professional representatives are also strongly advised to initiate the European phase using EPO Form 1200 (available free of charge from the EPO). This however is not compulsory.



5. **To enter the European phase before the EPO**, the following acts must be performed.
(N.B.: Failure validly to do so will entail loss of rights or other adverse legal consequences.)

5.1 If the EPO is acting as **designated** or **elected** Office (Arts. 22(1)(3) and 39(1) PCT respectively), applicants must, within 31 months from the date of filing or (where applicable) the earliest priority date:

- a) Supply a translation of the international application into an EPO official language, if the International Bureau did not publish the application in such a language (Art. 22(1) PCT and R. 107(1)(a) EPC).

If the translation is not filed in time, the international application is deemed withdrawn before the EPO (R. 108(1) EPC).

This loss of rights is deemed not to have occurred if the translation is then filed within a two-month grace period as from notification of an EPO communication, provided a surcharge is paid at the same time (R. 108(3) EPC).

- b) Pay the national basic fee (EUR 170,00) and, where a supplementary European search report has to be drawn up, the search fee (EUR 720,00 ; R. 107(1)(c) and (e) EPC).
- c) If the time limit under Article 79(2) EPC expires before the 31-month time limit, pay the designation fee (EUR 80,00) for each contracting state designated (R. 107(1)(d) EPC).
- d) If the time limit under Article 94(2) EPC expires before the 31-month time limit, file the written request for examination **and** pay the examination fee (EUR 1490,00 ; R. 107(1)(f) EPC).
- e) Pay the third-year renewal fee (EUR 400,00) if it falls due before expiry of the 31-month time limit (R. 107(1)(g) EPC).

If the fees under (b) to (d) above are not paid in time, or the written request for examination is not filed in time, the international application is deemed withdrawn before the EPO, or the contracting-state designation(s) in question is (are) deemed withdrawn (R. 108(1) and (2) EPC). However, the fees may still be validly paid within a two-month grace period as from notification of an EPO communication, provided the necessary surcharges are paid at the same time (R. 108(3) EPC). For the renewal fee under (e) above, the grace period is **six** months from the fee's due date (Art. 86(2) EPC).

For an overview of search and examination fees, see OJ EPO 11/2005, 577 and 03/2006.

- 5.2 If the application documents on which the European grant procedure is to be based comprise more than ten claims, a claims fee is payable within the 31-month time limit under Rule 107(1) EPC for the eleventh and each subsequent claim (R. 110(1) EPC). The fee can however still be paid within a one-month grace period as from notification of an EPO communication pointing out the failure to pay (R. 110(2) EPC).

6. If the applicant had a representative during the application's international phase, the present notes will be sent to the representative, asking him to inform the applicant accordingly.

All subsequent communications will be sent to the applicant, or - if the EPO is informed of his appointment in time - to the applicant's European representative.



7. For more details about time limits and procedural acts before the EPO as designated and elected Office, see the EPO brochure

How to get a European patent
Guide for applicants - Part 2
PCT procedure before the EPO - "Euro-PCT"

This brochure, the list of professional representatives before the EPO, Form 1200 and details of the latest fees are now all available on the Internet under

<http://www.european-patent-office.org>

Receiving section

